

002260" 2422960

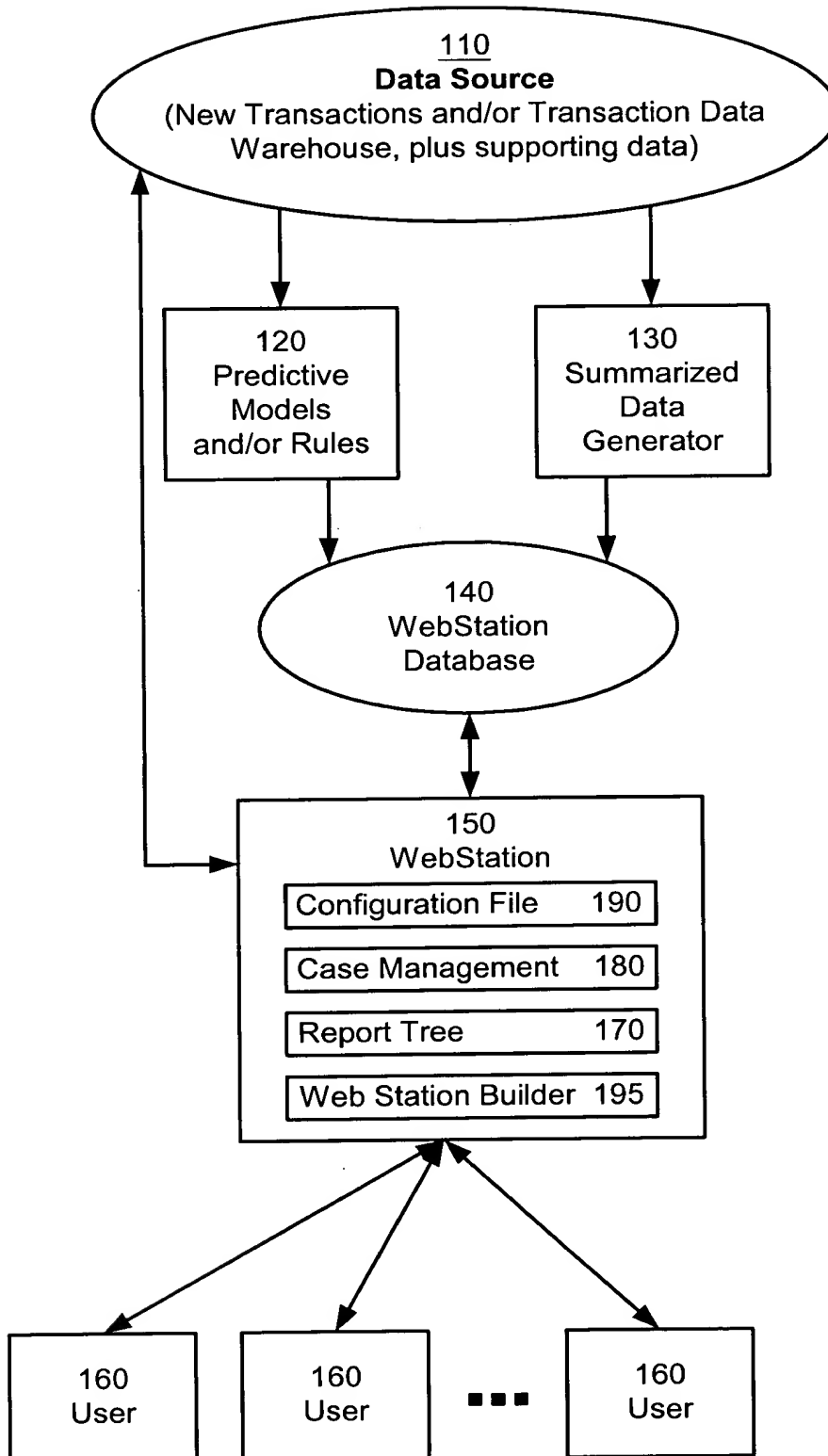


Fig. 1

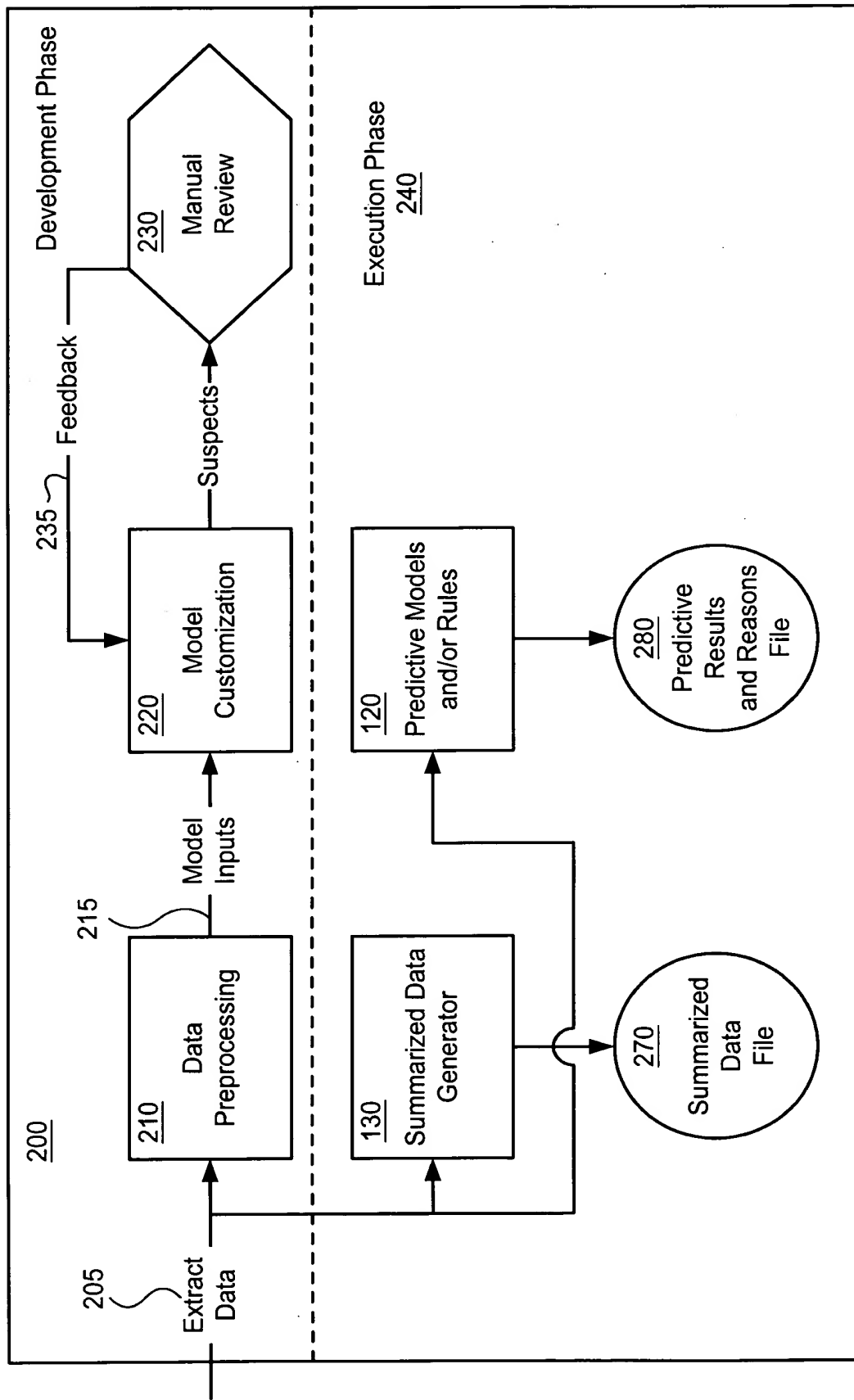


Fig. 2

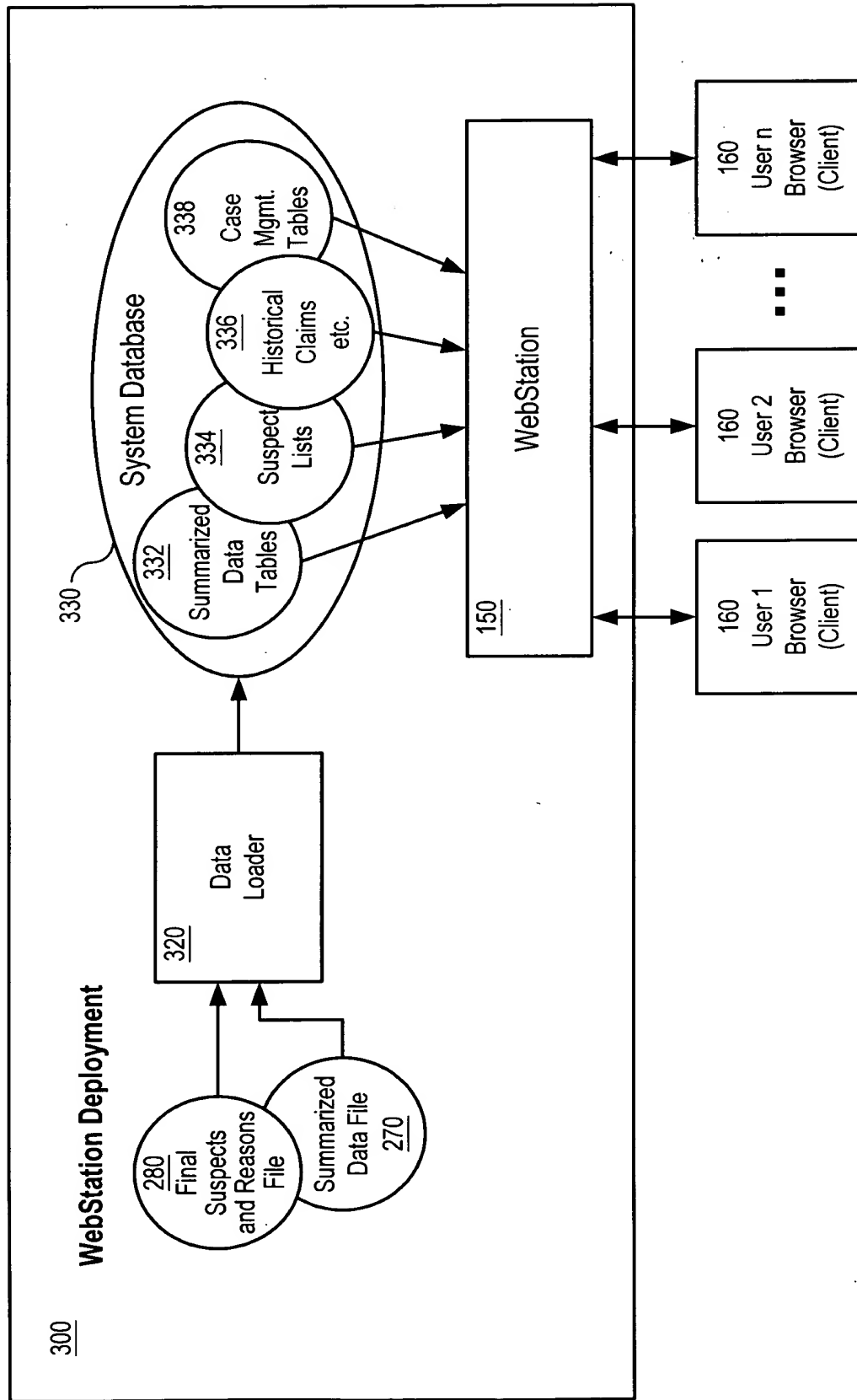


Fig. 3

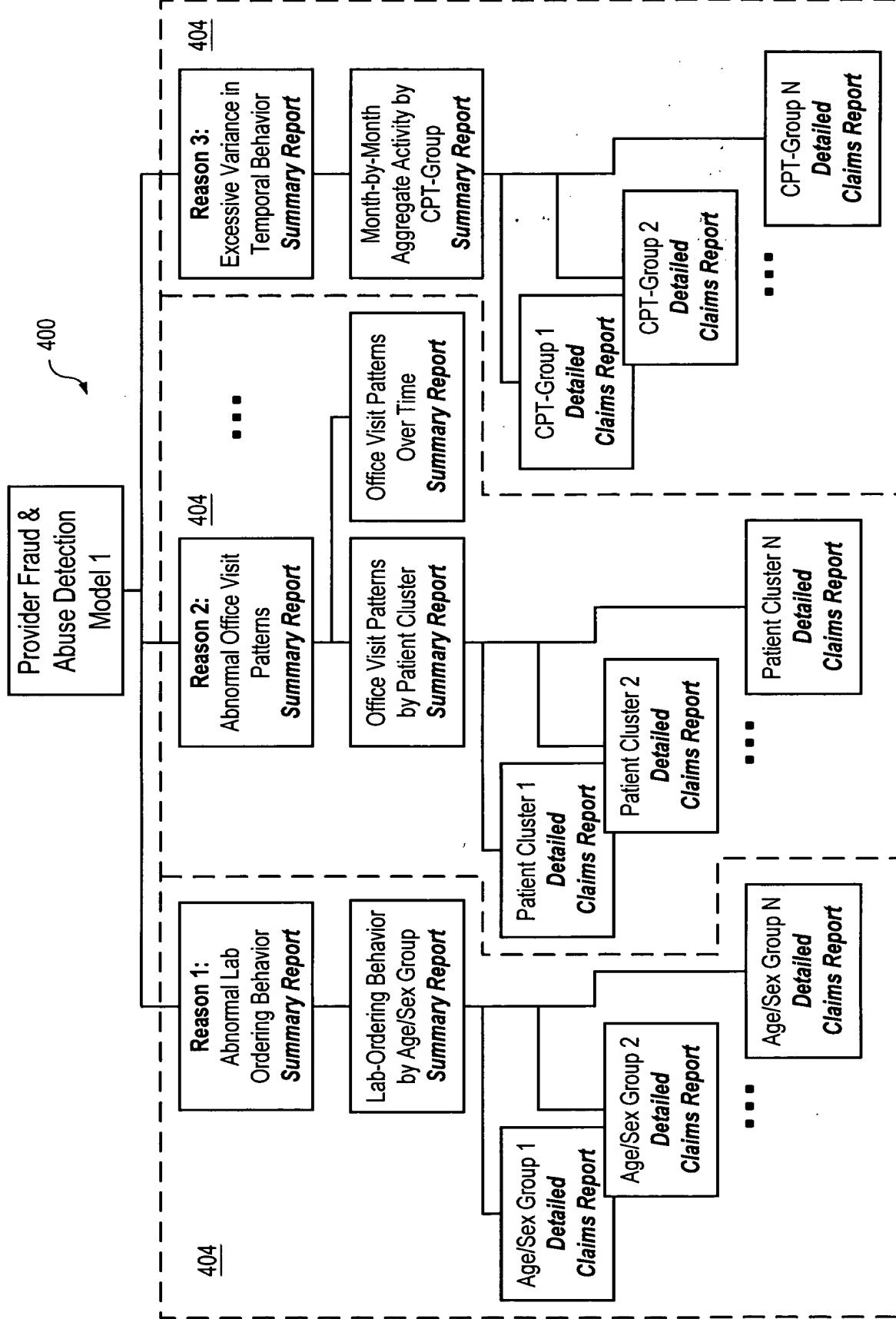


Fig. 4

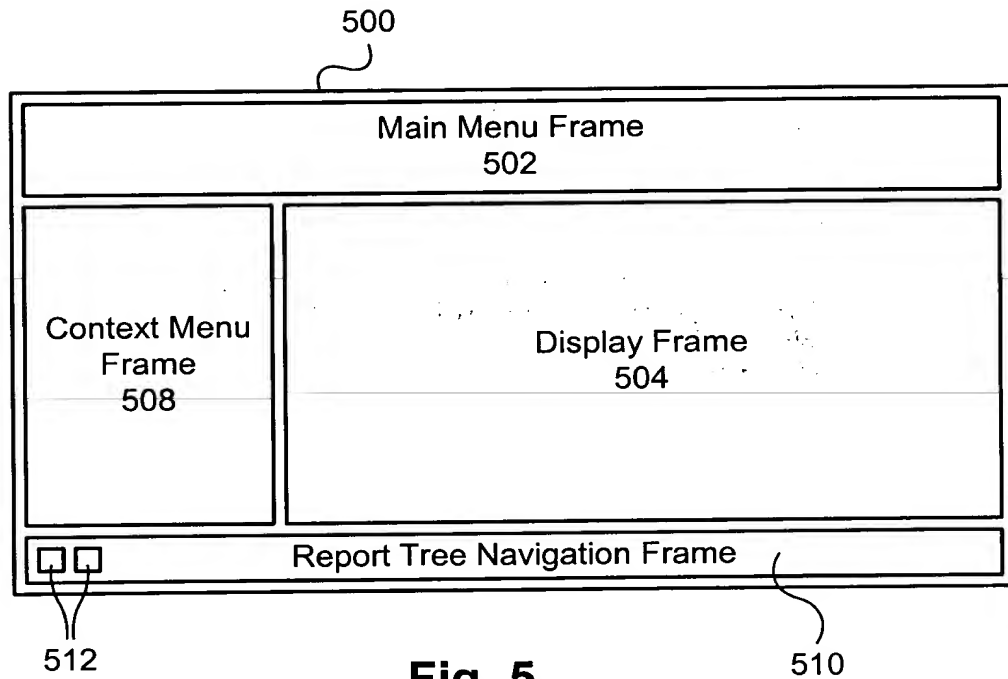


Fig. 5

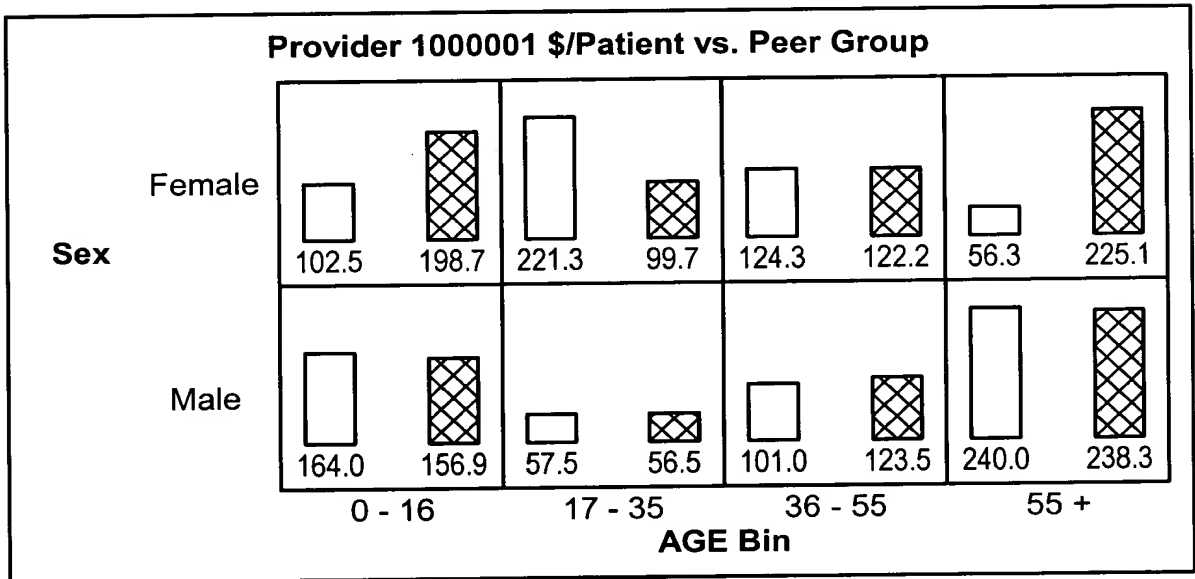


Fig. 6a

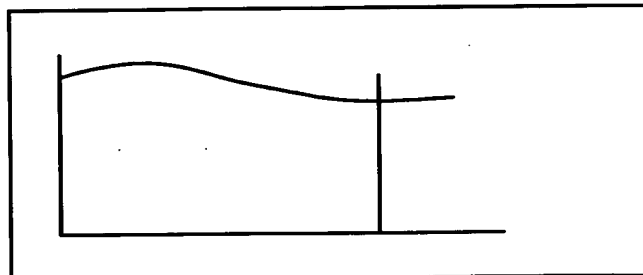


Fig. 6b

Spyder WebStation

Fraud and Abuse Detection Workstation
Version 1.0

User ID

Password

Login

Fig. 7

FIG. 8

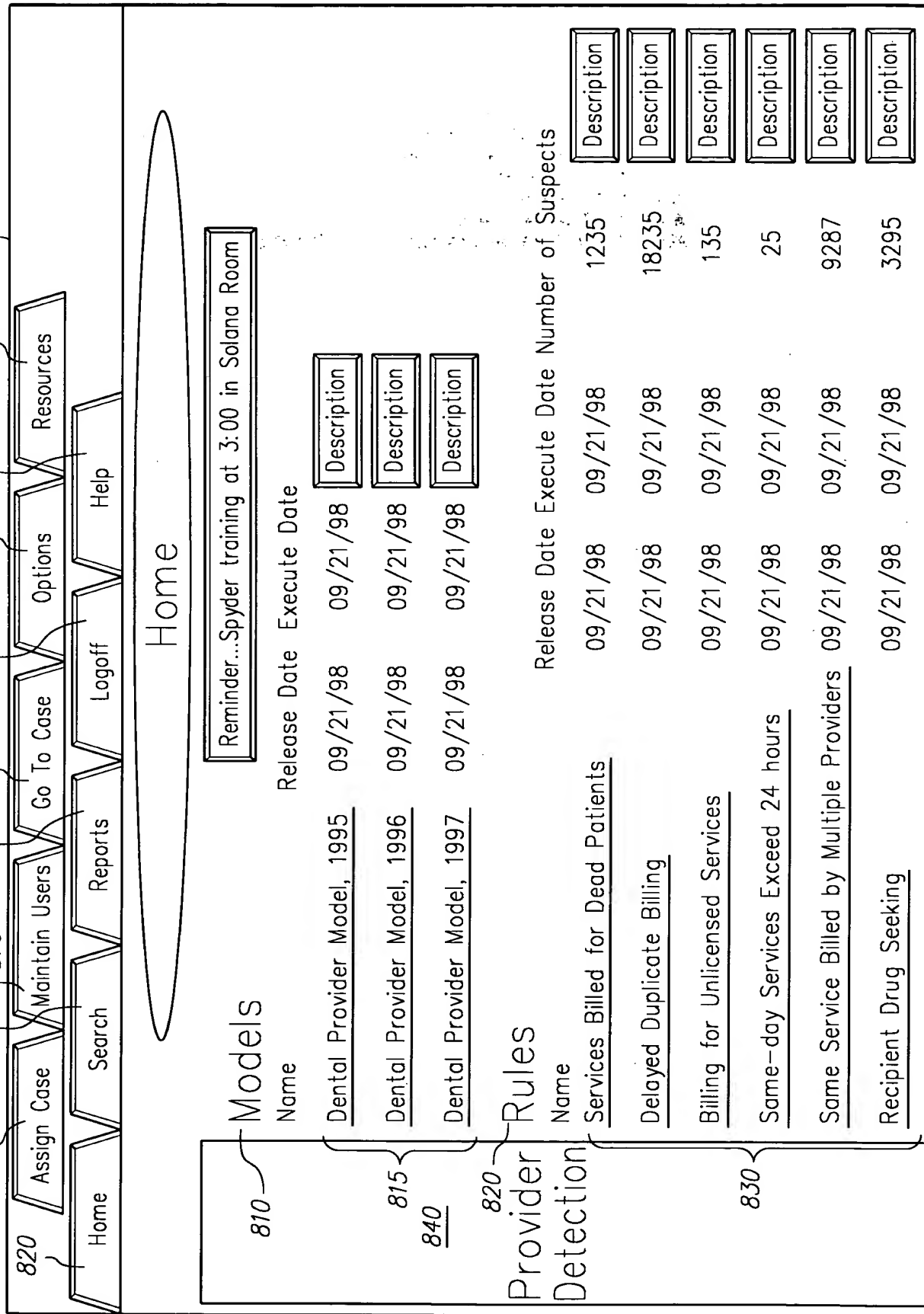


FIG. 9-1 916

900

914

912

910

908

906

904

902

508

Assign Case

Home

Maintain Users

Search

Go To Case

Reports

Options

Logoff

Resources

Help

H N C

S O F T W A R E

Suspect list for model 'DENTAL95'

Suspect ID	Score	Score Date	Rank	Total Paid	Details	Clients	Reasons
000004359	1037	12/31/1995	1	\$78,014.00	5128	5093	(1) GHMX - Clinical CPT Group Mix (2) GH01 - Clinical CPT Group 1 (3) GH10 - Clinical CPT Group 10 (4) GPKD - Per Client-Per Day Activity (5) GG01 - Client-based CPT Group 1
000004091	853	12/31/1995	2	\$572,909.50	5092	518	(1) SWN - CROWNS Activity (2) GQ V - Dollar Volume (3) GKQV - Client-based Dollar Volume (4) SWLR - CROWNS vs MULTI-SURFACE RESTORATIONS Activity (5) GPKD - Per Client-Per Day Activity
000002983	784	12/31/1995	3	\$31,159.25	2707	981	(1) GSDP - Multiple Physicians (same day) (2) GKQV - Client-based Dollar Volume (3) GG09 - Client-based CPT Group 9 (4) GGMX - Client-based CPT Group Mix (5) GHMX - Clinical CPT Group Mix

▷ View

Filter

Sort

Layout

Graph

FIG. 10-1

Provider Summary for 'DP00000005'

Identity

Provider Number: DP00000005

License Number: D12345

Group Number: N/A

Additional Provider Number: DENT00002

DENT00003

Provider Number Count: 3

Provider Name/Address: Smith, John P.

2222 Main St.

Houston, TX 77070

Provider Type: 48

Provider Specialty: 1

Fraud and Abuse Risk

Detection Models:

Model	Score	Score Date	Reason 1	Reason 2	Reason 3	Reason 4	Reason 5
Dental provider	860	01/06/1998	GG01	GG04	GH01	SLS	SLC

Detection Rules:

Rule

Detected

Execute Date

Excessive Daily Billing

No

01/06/1998

Excessive Per Client Billing

No

01/06/1998

Details

General Statistics

Activity By Year

	Number of Details	Dollar Billed	Dollar Billed
1995	4036	\$67,993	\$60,400
1996	5593	\$75,982	\$70,528
1997	6732	\$102,200	\$92,350

Activity By Quarter (Most Recent Year)

	Q1 1997	Q2 1997	Q3 1997	Q4 1997
Details Paid	0.0	10.0	30.0	60.0
Details Paid	0.0	12.0	35.0	53.0

Activity Detail (Most Recent Year)

Dollars Paid per Service: \$15.50

Number of Clients Seen: 6732

Average Details per Client: 1.0

Average Billed per Client: \$15.75

Average Paid per Client: \$15.50

Paid to Billed, per Client: 333.98

Average Paid, per Client, per Day: \$15.50

Maximum \$ Paid, per Client, per Day: \$31.00

002260" 24T22960

002260" 24T22960

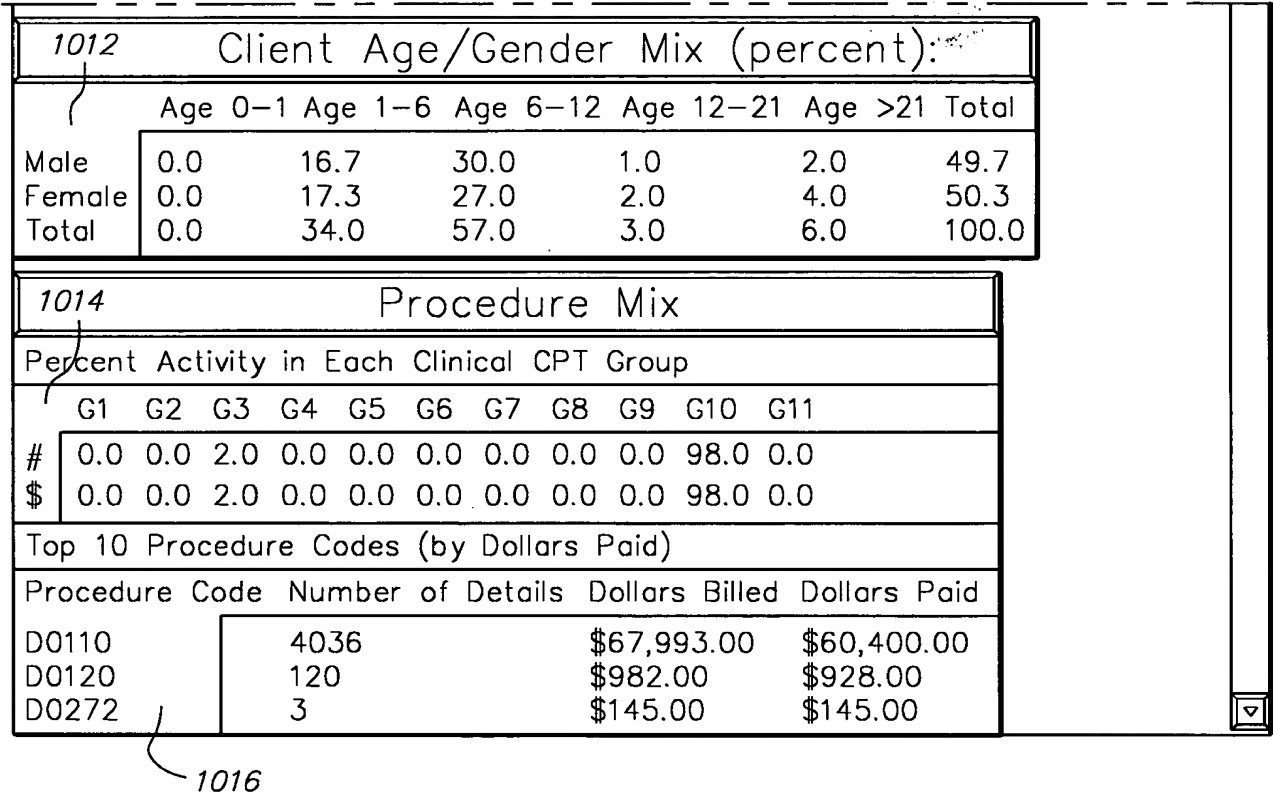


FIG. 10-2

FIG. 9

FIG. 9-1
FIG. 9-2

FIG. 10

FIG. 10-1
FIG. 10-2

FIG. 11

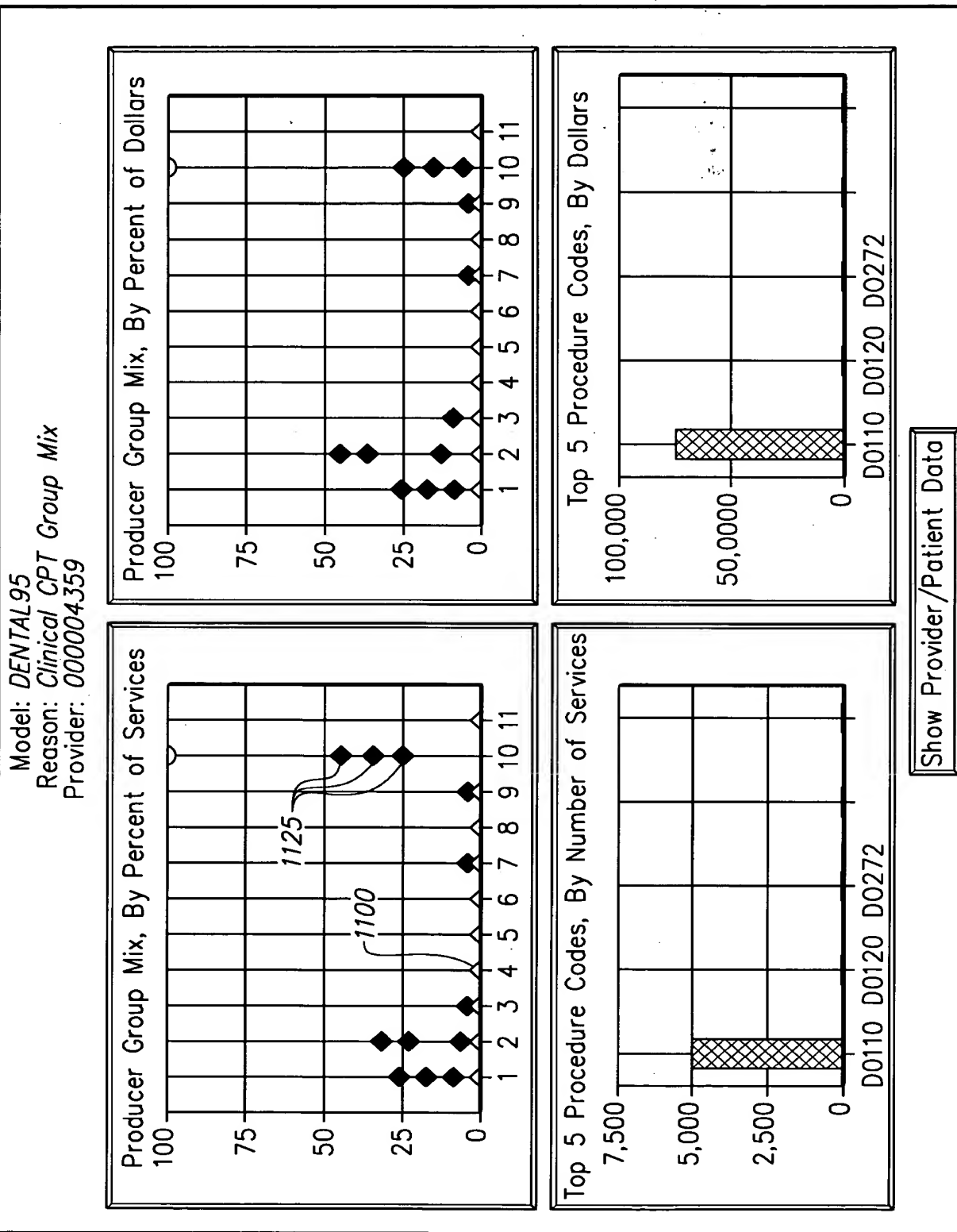


FIG. 12

Patient list for provider ID '000004091', used in model 'DENTAL95'							1202	
Patient ID	Age Group	Gender	# Services	Average \$	Total \$	Group 4, #	Group 5, #	
000000106	4	M	22	188.84	4154.5	4	0	1204
000000149	4	F	28	187.12	5239	0	0	
000000216	4	M	22	147.63	3247.75	4	0	
000000369	4	F	23	152.08	3497.75	4	0	
000000478	4	F	16	113.59	1317.5	0	0	
000000567	4	F	24	145.52	3492.5	0	0	
000000812	4	F	2	23.25	46.5	0	0	
000000885	4	F	31	139.09	4311.75	4	0	
000000895	4	M	2	31.5	63	0	0	
000001049	4	M	22	147.26	3239.75	4	0	
000001106	4	F	27	192.99	5210.75	4	0	
000001563	4	F	13	215.29	2798.75	0	0	
000001612	4	F	24	185.29	4447	5	0	
000001822	4	F	26	107.53	2795.25	8	0	
000001939	4	F	28	123.38	3454.5	4	0	
000002133	4	F	18	124.88	2247.75	4	0	
000002137	4	M	7	32.39	226.75	4	0	
000002823	4	M	13	132.83	1726.75	4	0	
000002845	4	M	17	212.83	3517.75	0	0	
000002889	4	F	9	50.53	454.75	4	0	

> View
 Filter
 Sort
 Layout
 Graph

FIG. 13

Claim data for patient ID 'RCPT0002213'			
Patient ID	Procedure	Date Of Service	\$ Billed
RCPT0002213	D0150	01/20/1997	15.25
RCPT0002213	D0210	01/20/1997	31.75
RCPT0002213	D3330	01/20/1997	275
RCPT0002213	D2791	01/20/1997	250
RCPT0002213	D2950	01/20/1997	45
RCPT0002213	D2950	01/20/1997	45
RCPT0002213	D2150	01/20/1997	35
RCPT0002213	D2791	01/20/1997	278.75
RCPT0002213	D3330	01/20/1997	275
RCPT0002213	D2791	01/20/1997	250
RCPT0002213	D2950	01/20/1997	45
RCPT0002213	D3320	01/20/1997	206.25
RCPT0002213	D3330	01/21/1997	275
RCPT0002213	D2950	01/21/1997	45
RCPT0002213	D2791	01/21/1997	250
RCPT0002213	D3320	01/21/1997	206.25
RCPT0002213	D2950	01/21/1997	45
RCPT0002213	D2791	01/21/1997	250
RCPT0002213	D2150	01/21/1997	35
RCPT0002213	D7200	01/21/1997	120
RCPT0002213	D7240	01/21/1997	150
RCPT0002213	D7130	01/21/1997	30
RCPT0002213	D2150	01/21/1997	35
RCPT0002213	D2160	01/21/1997	45
RCPT0002213	D4341	01/21/1997	56.25
RCPT0002213	D4341	01/21/1997	56.25
RCPT0002213	D7130	01/30/1997	30

004260" 2422560

FIG. 14

FIG.	FIG.
14-1	14-2

508

View

1401 → Filter

Sort

Layout

Graph

Claim data for

Patient ID	Procedure
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px;">=</div> <div style="border: 1px solid black; padding: 2px 5px;">▼</div> <div style="border: 1px solid black; width: 60px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; padding: 2px 5px;">▼</div> </div>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px;">=</div> <div style="border: 1px solid black; padding: 2px 5px;">▼</div> <div style="border: 1px solid black; width: 60px; height: 20px; margin: 0 5px;"></div> <div style="border: 1px solid black; padding: 2px 5px;">▼</div> </div>
<div style="border: 1px solid black; padding: 2px 5px;">▼</div>	<div style="border: 1px solid black; padding: 2px 5px;">▼</div>
<div style="border: 1px solid black; padding: 2px 5px;">▼</div>	<div style="border: 1px solid black; padding: 2px 5px;">▼</div>
<div style="border: 1px solid black; padding: 2px 5px;">▼</div>	<div style="border: 1px solid black; padding: 2px 5px;">▼</div>
<div style="border: 1px solid black; padding: 2px 5px;">▼</div>	<div style="border: 1px solid black; padding: 2px 5px;">▼</div>

Apply

<u>RCPT0002213</u>	D0150
<u>RCPT0002213</u>	D0210
<u>RCPT0002213</u>	D3330
<u>RCPT0002213</u>	D2791
<u>RCPT0002213</u>	D2950
<u>RCPT0002213</u>	D2950
<u>RCPT0002213</u>	D2150
<u>RCPT0002213</u>	D2791
<u>RCPT0002213</u>	D3330
<u>RCPT0002213</u>	D2791
<u>RCPT0002213</u>	D2950
<u>RCPT0002213</u>	D3320
<u>RCPT0002213</u>	D3330
<u>RCPT0002213</u>	D2950
<u>RCPT0002213</u>	D2791
<u>RCPT0002213</u>	D3320

FIG. 14-1

patient ID 'RCPT0002213'

1404

1402

Date Of Service	\$ Billed	\$ Paid
<input type="text"/> <input type="text"/> <input type="text"/>	> <input type="text"/> 30.00 <input type="text"/>	= <input type="text"/> <input type="text"/>
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>

Reset Cancel

01/20/1997	15.25	15.25
01/20/1997	31.75	31.75
01/20/1997	275	275
01/20/1997	250	250
01/20/1997	45	45
01/20/1997	45	45
01/20/1997	35	35
01/20/1997	278.75	250
01/20/1997	275	275
01/20/1997	250	250
01/20/1997	45	45
01/20/1997	206.25	206.25
01/21/1997	275	275
01/21/1997	45	45
01/21/1997	250	250
01/21/1997	206.25	206.25

FIG. 14-2

FIG. 15

508

1500

1504

1504

1501

View

Filter

Sort

Layout

Graph

Claim data for patient ID 'RCPT0002213'

Patient ID	Procedure	Date Of Service	\$ Billed	\$ Paid
<input type="checkbox"/>	<input type="checkbox"/>	2	1	<input type="checkbox"/>
1502	1502	1506	1506	1506
<input type="button" value="Apply"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>				
RCPT0002213	D0150	01/20/1997	15.25	15.25
RCPT0002213	D0210	01/20/1997	31.75	31.75
RCPT0002213	D3330	01/20/1997	275	275
RCPT0002213	D2791	01/20/1997	250	250
RCPT0002213	D2950	01/20/1997	45	45
RCPT0002213	D2950	01/20/1997	45	45
RCPT0002213	D2150	01/20/1997	35	35
RCPT0002213	D2791	01/20/1997	278.75	250
RCPT0002213	D3330	01/20/1997	275	275
RCPT0002213	D2791	01/20/1997	250	250
RCPT0002213	D2950	01/20/1997	45	45
RCPT0002213	D3320	01/20/1997	206.25	206.25
RCPT0002213	D3330	01/21/1997	275	275
RCPT0002213	D2950	01/21/1997	45	45
RCPT0002213	D2791	01/21/1997	250	250
RCPT0002213	D3320	01/21/1997	206.25	206.25
RCPT0002213	D2950	01/21/1997	45	45
RCPT0002213	D2791	01/21/1997	250	250
RCPT0002213	D2150	01/21/1997	35	35
RCPT0002213	D7230	01/21/1997	120	120
RCPT0002213	D7240	01/21/1997	150	150
RCPT0002213	D7130	01/21/1997	30	30
RCPT0002213	D2150	01/21/1997	35	35
RCPT0002213	D2160	01/21/1997	45	45

FIG. 16

1607

1600

1602

1606

1602

1608

1601

View

Filter

Sort

Layout

Graph

Shown Columns

Patient ID

Procedure

Date Of Service

\$ Billed

\$ Paid

Hidden Columns

Provider ID

1604

Apply

Reset

Cancel

Claim data for patient ID 'RCPT0002213'

Patient ID	Procedure	Date Of Service	\$ Billed	\$ Paid
RCPT0002213	D0150	01/20/1997	15.25	15.25
RCPT0002213	D0210	01/20/1997	31.75	31.75
RCPT0002213	D3330	01/20/1997	275	275
RCPT0002213	D2791	01/20/1997	250	250
RCPT0002213	D2950	01/20/1997	45	45
RCPT0002213	D2950	01/20/1997	45	45
RCPT0002213	D2150	01/20/1997	35	35
RCPT0002213	D2791	01/20/1997	278.75	250
RCPT0002213	D3330	01/20/1997	275	275
RCPT0002213	D2791	01/20/1997	250	250
RCPT0002213	D2950	01/20/1997	45	45
RCPT0002213	D3320	01/20/1997	206.25	206.25
RCPT0002213	D3330	01/21/1997	275	275
RCPT0002213	D2950	01/21/1997	45	45
RCPT0002213	D2791	01/21/1997	250	250

PROCEDURE AND/OR DIGNOSIS GROUPS (TOS AND/OR POS)

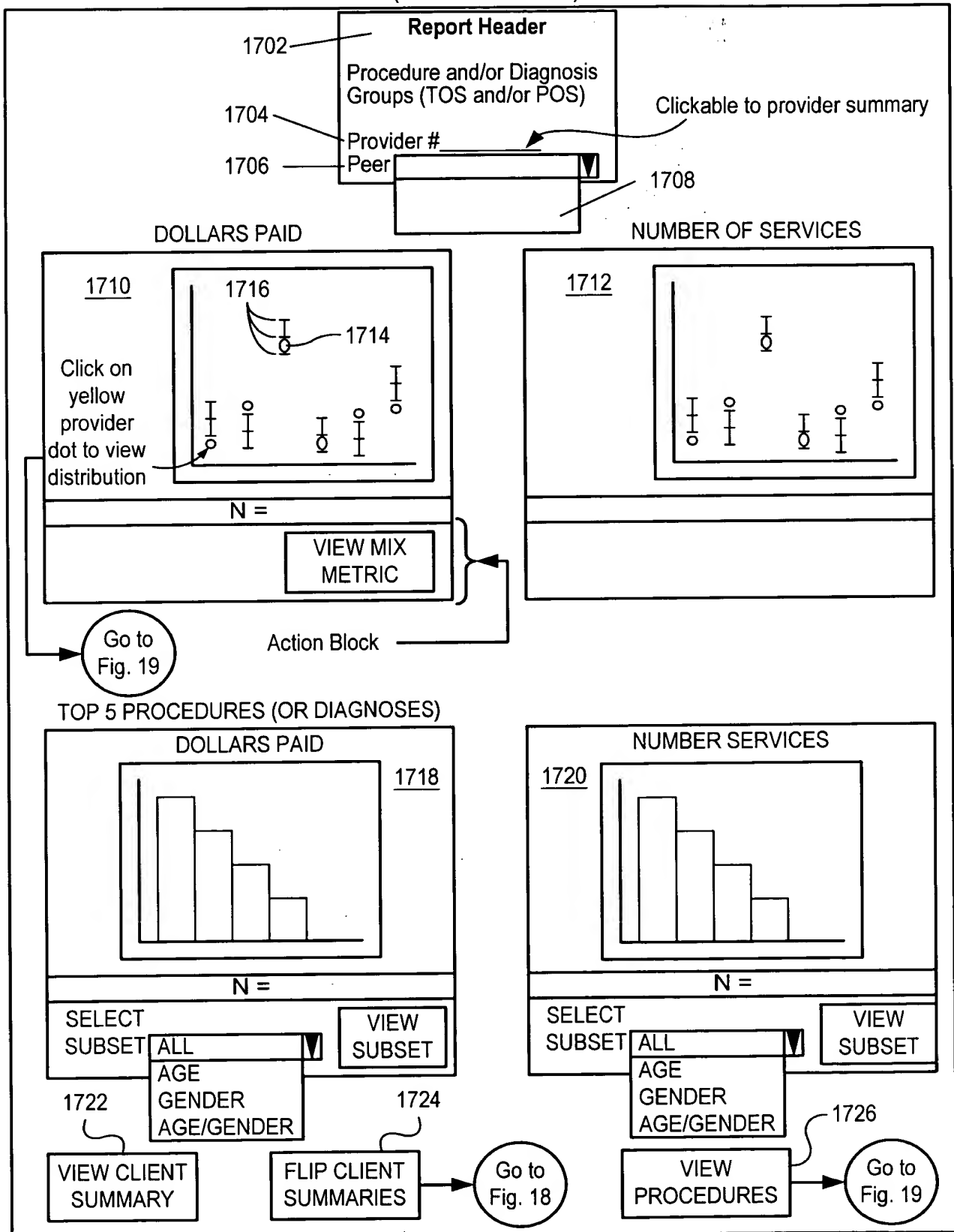


Fig. 17

FLIP CLIENT SUMMARIES

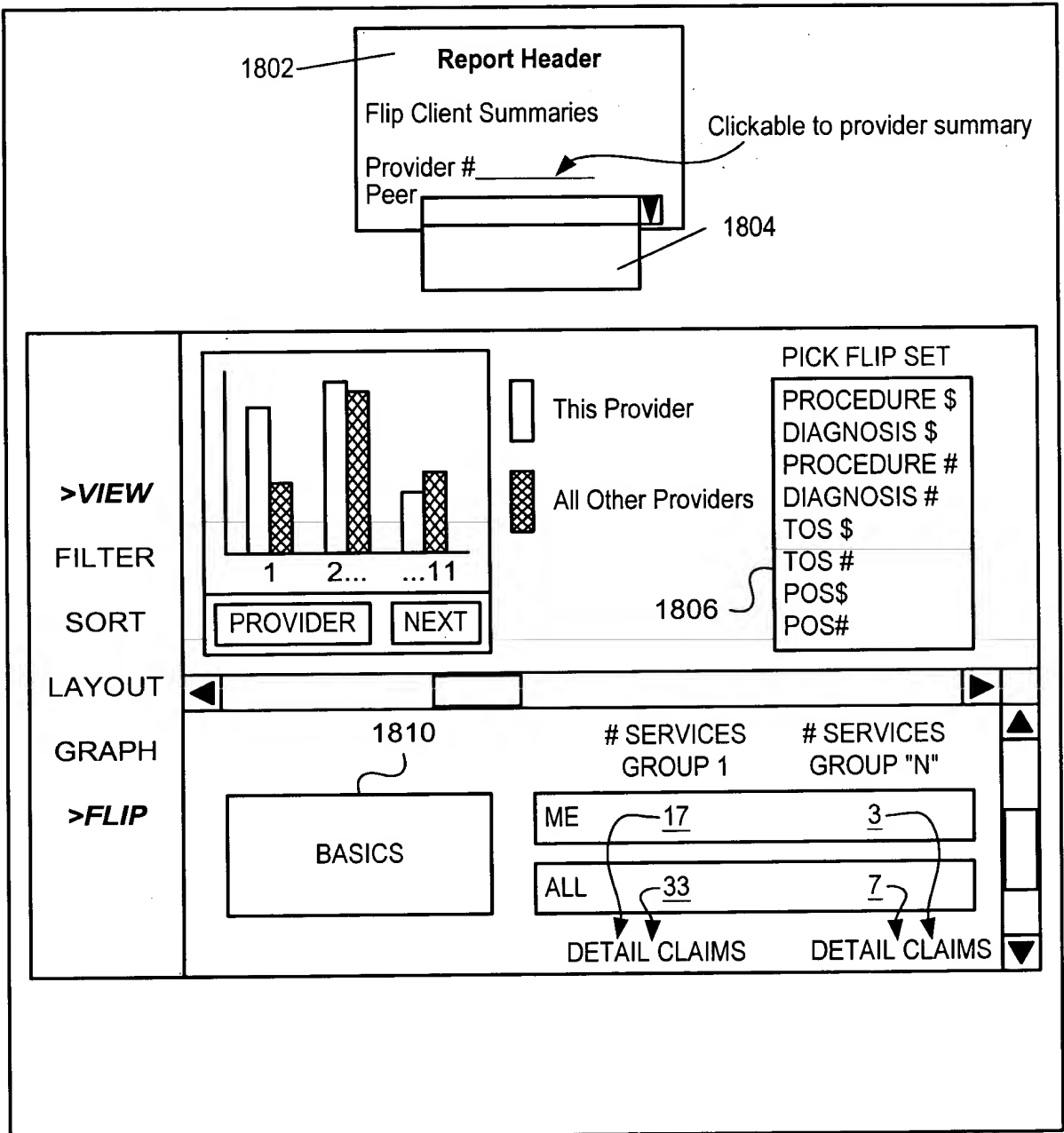


Fig. 18

PROVIDER (YELLOW DOT) CHART

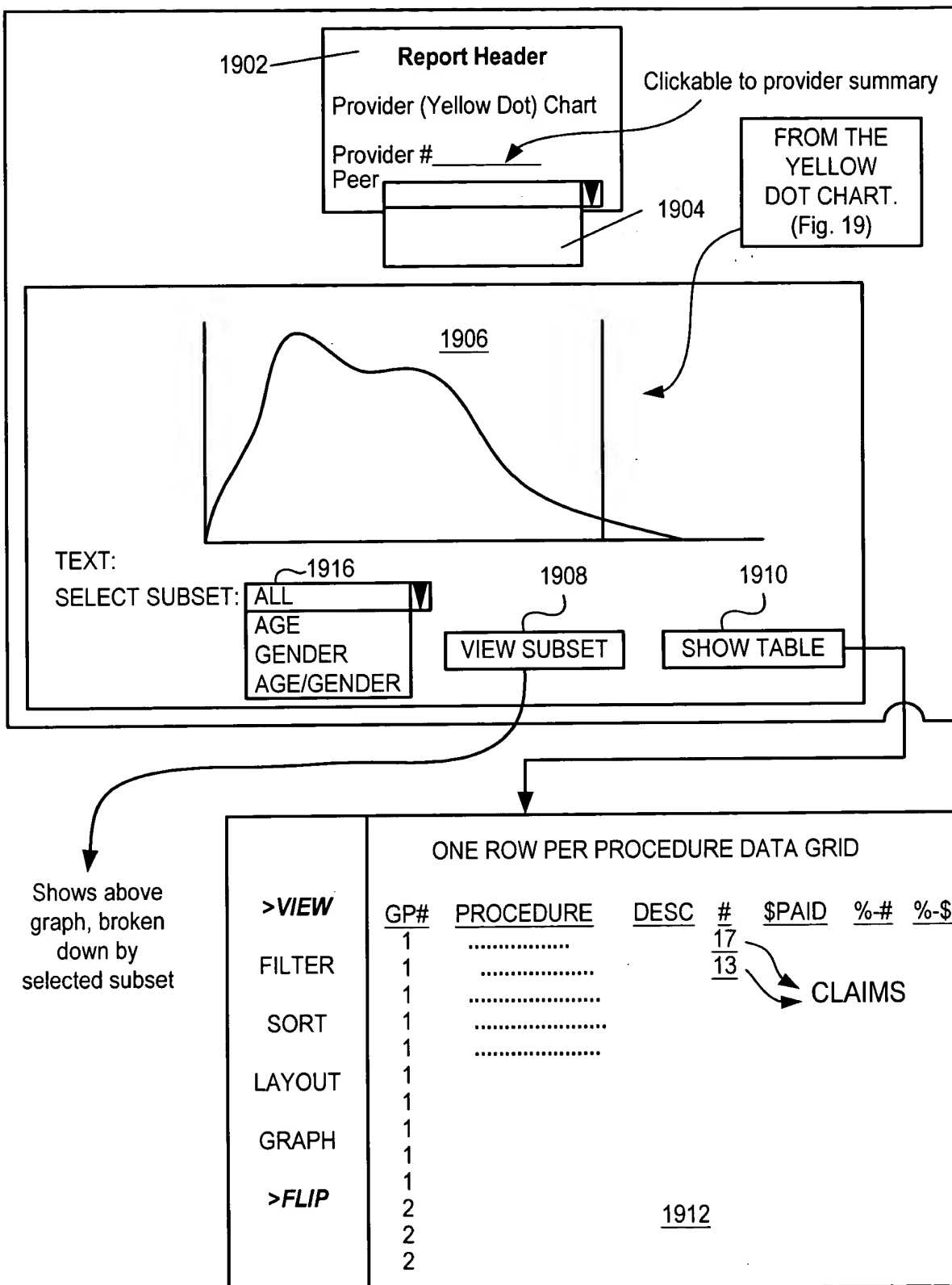


Fig. 19

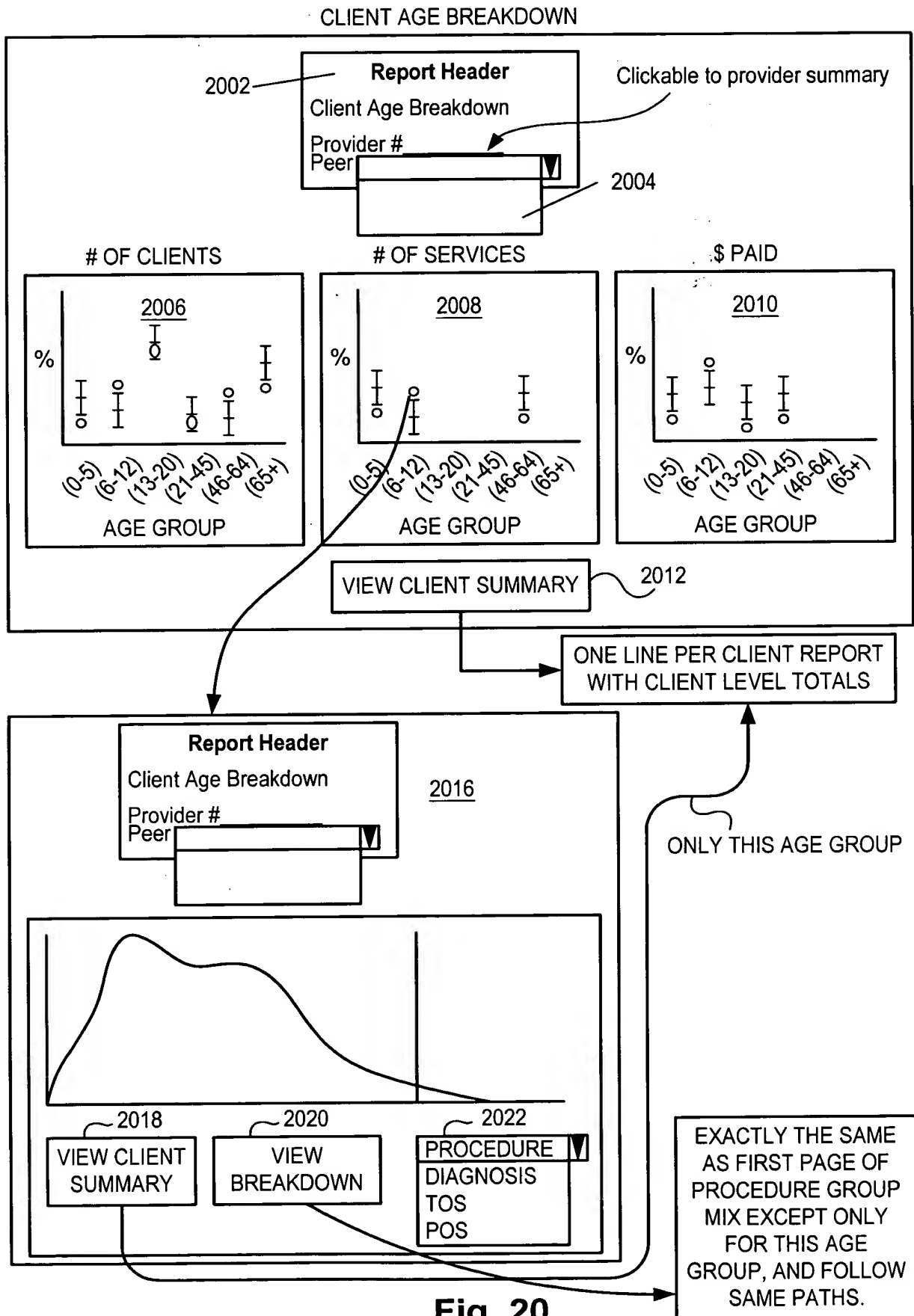


Fig. 20

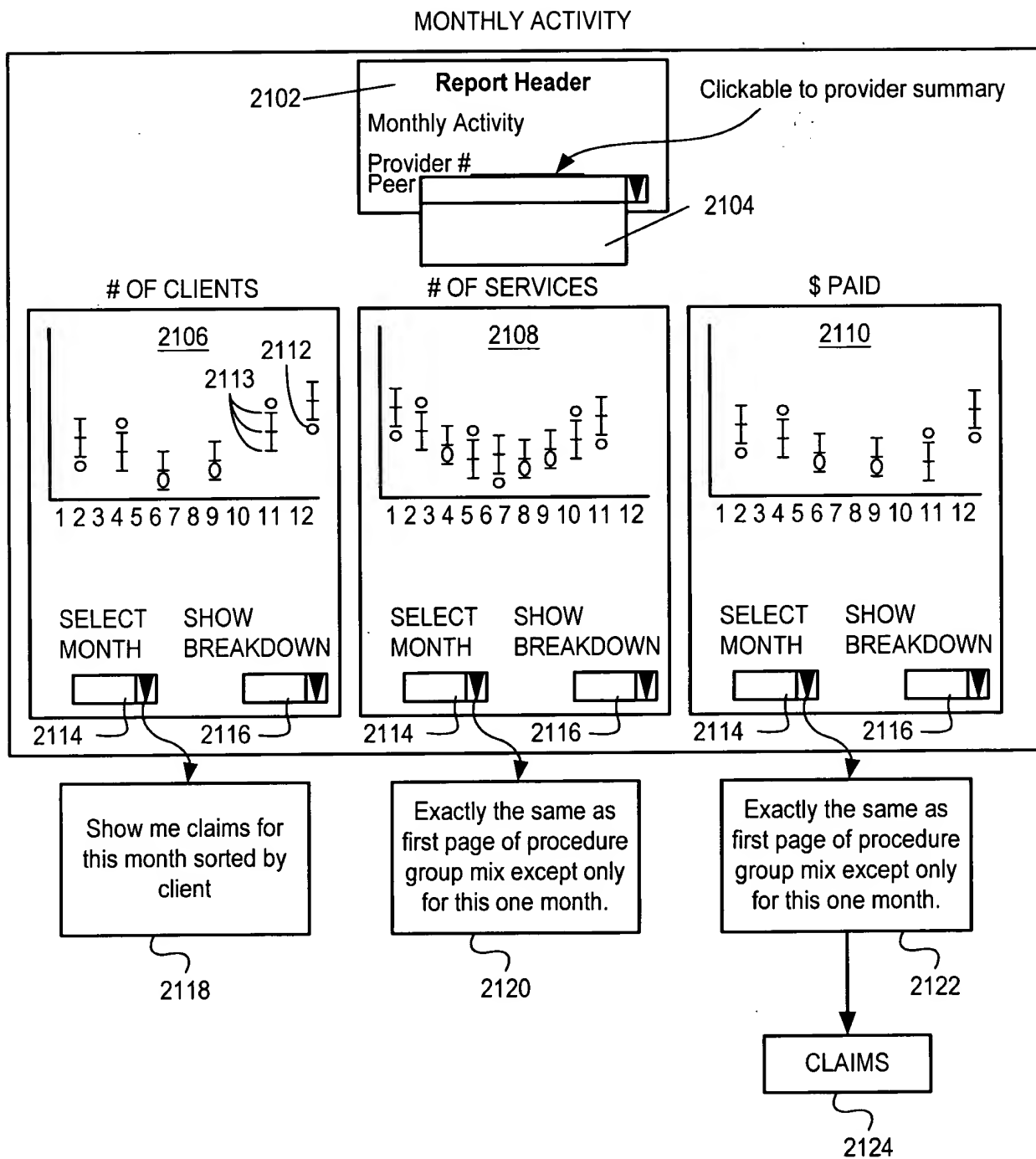


Fig. 21

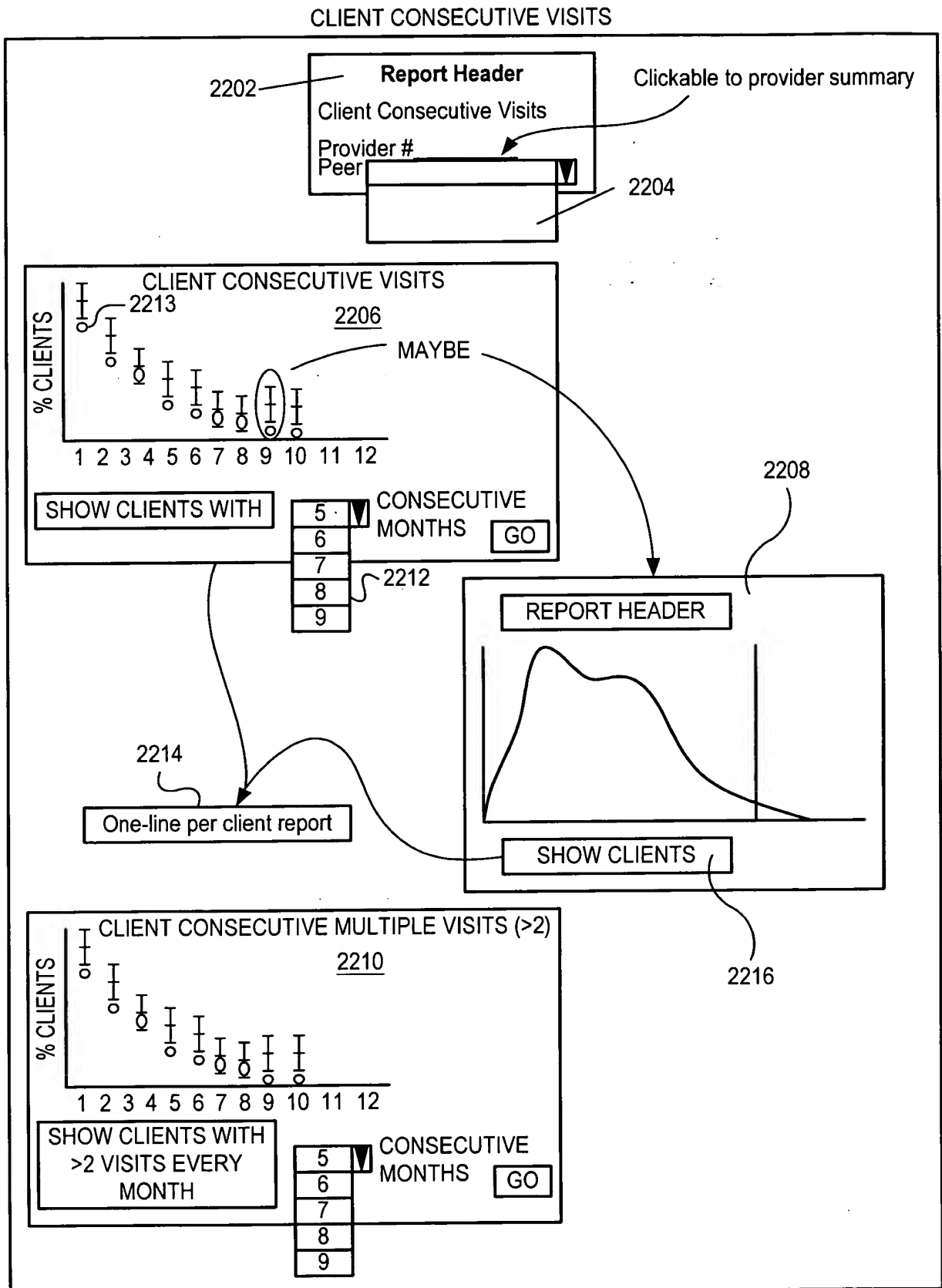


Fig. 22

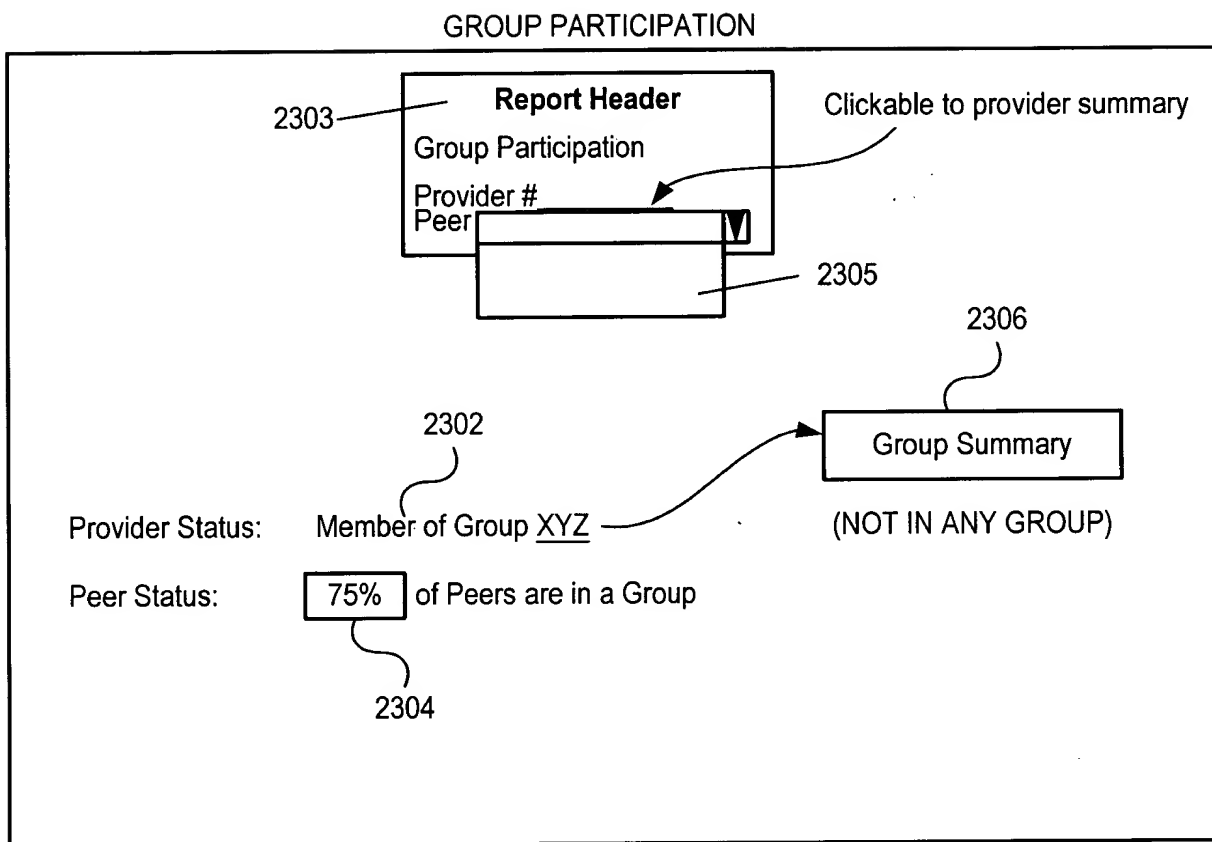


Fig. 23

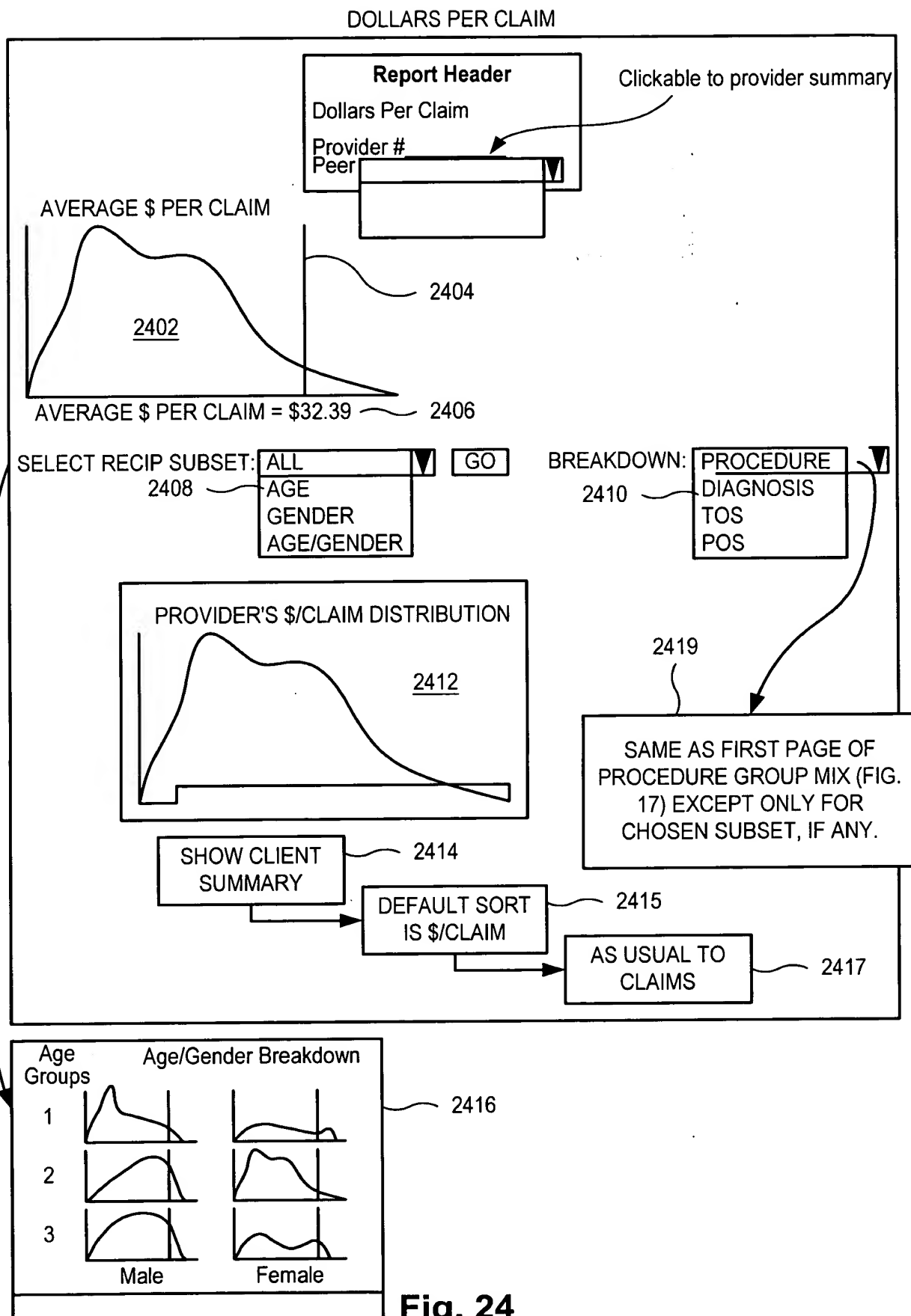


Fig. 24

PER DAY ACTIVITY

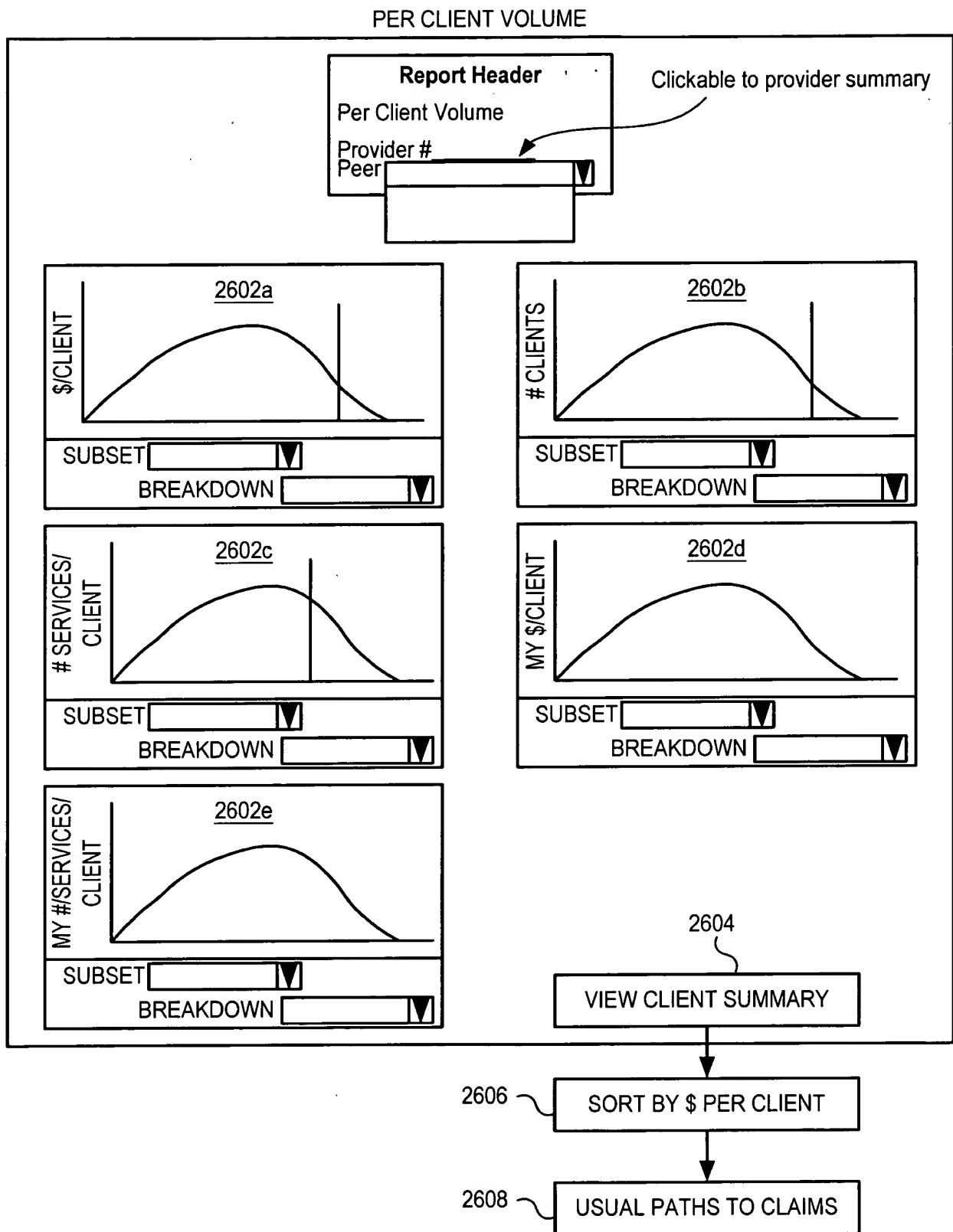


Fig. 26

MULTIPLE PHYSICIANS PER DAY

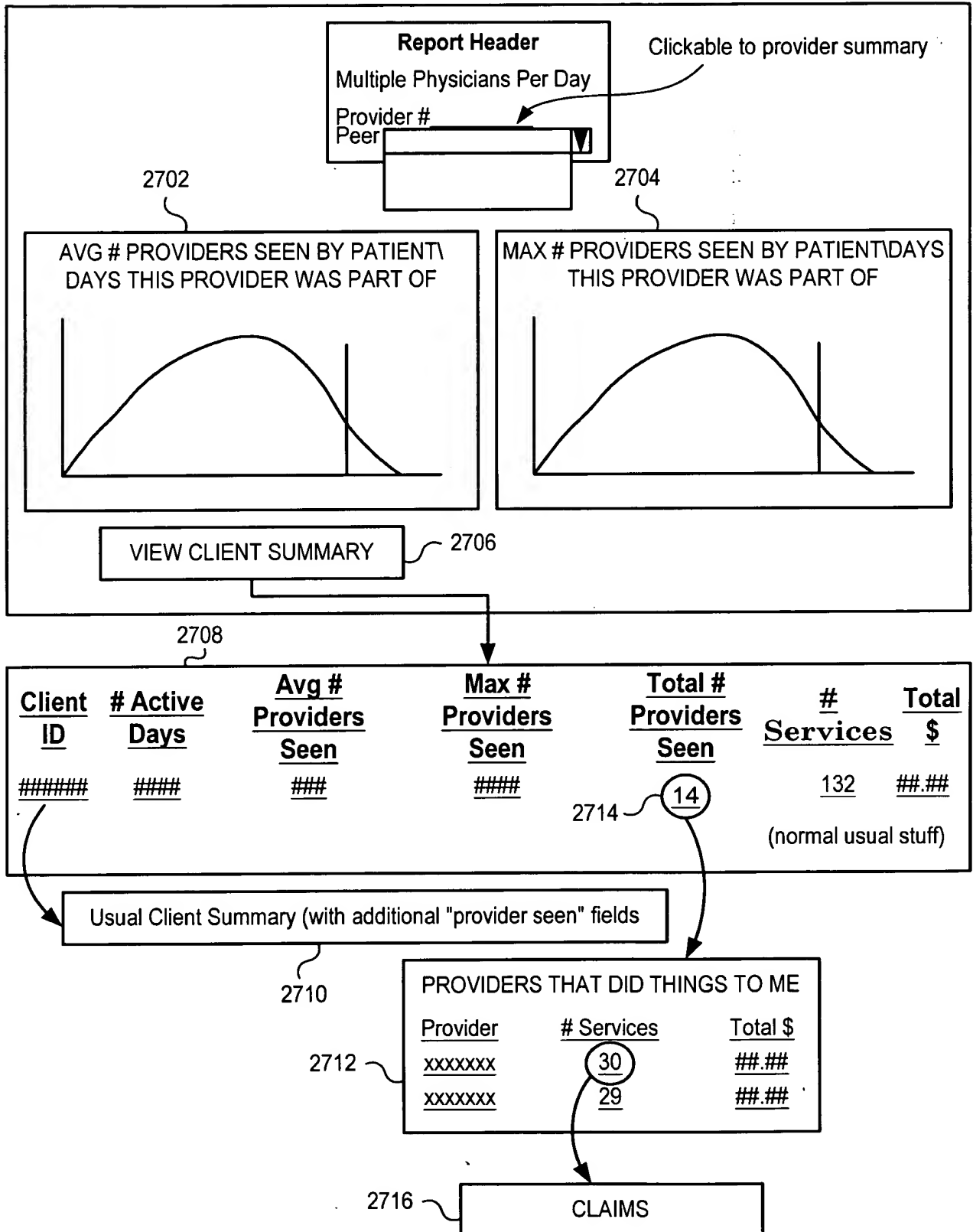


Fig. 27

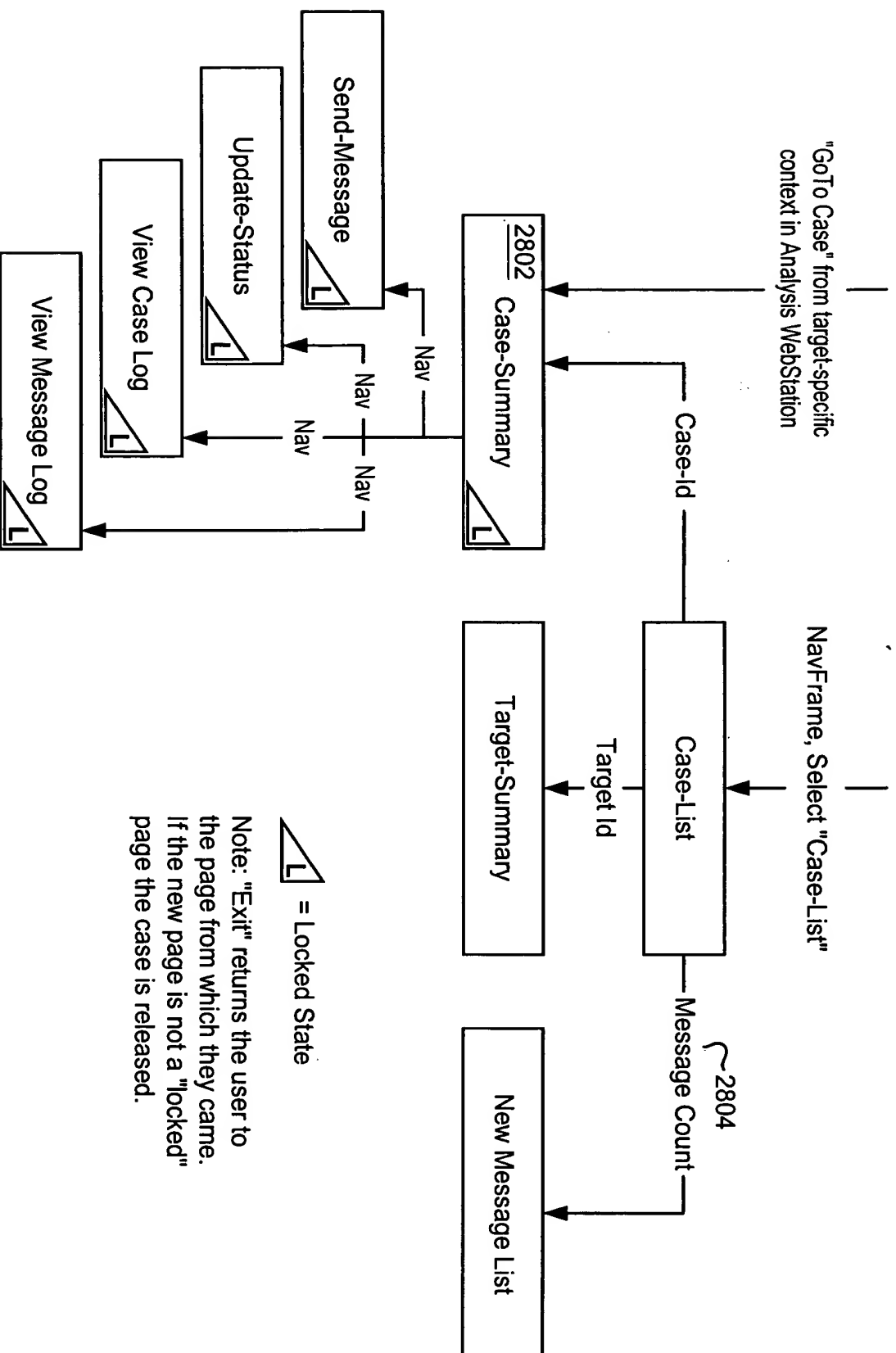


Fig. 28

002260" 24F22560

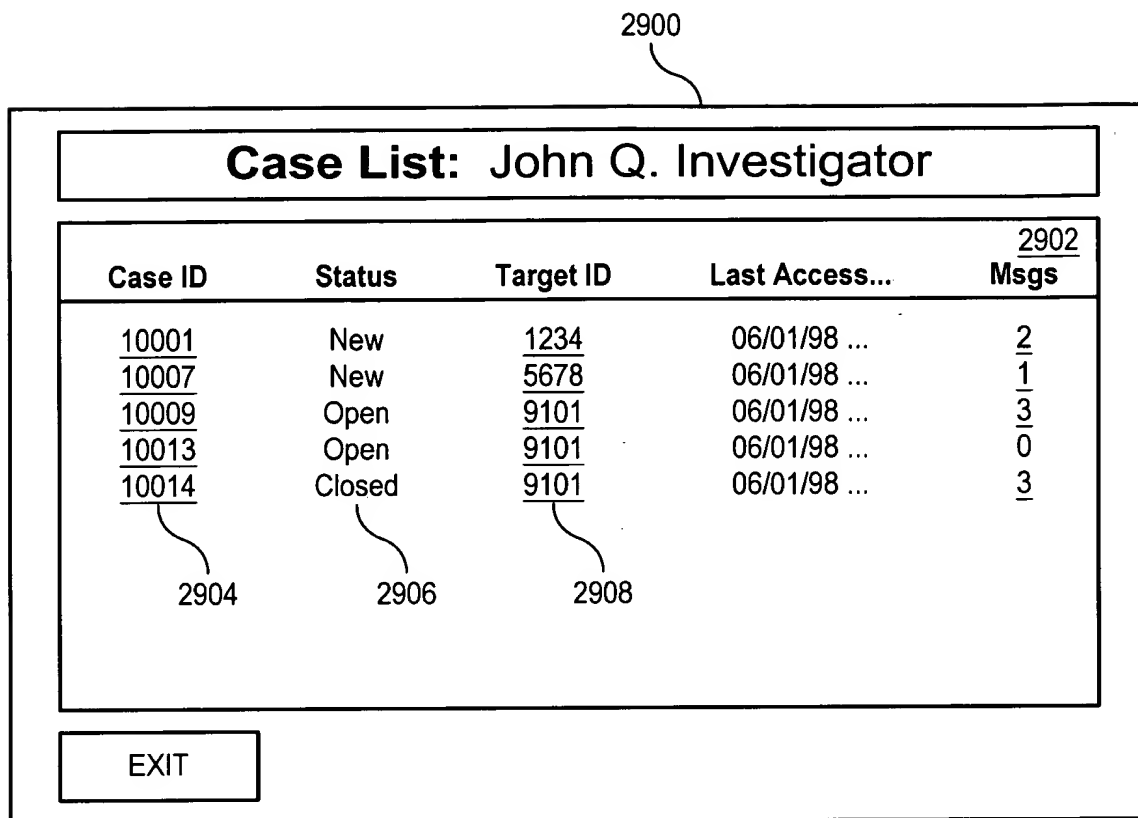


Fig. 29

New Case Messages: Case ID 100001

To:

John Q. Reviewer

From:

Jane Q. Manager

Subject:

Related Cases, 10001 and 10003

Received:

06/01/1998

Provider cases 10001 and 10003 seem to be closely related. Both have questionable billing for lab involving many of the same recipients. These providers both have offices on the same street in Costa Mesa. See the recipient summaries for these providers and the provider identity data. <jqm

To:

John Q. Reviewer

From:

Joe Q. Analyst

Subject:

Interviews

Received:

06/01/1998

I'll be in the field tomorrow interviewing recipients for Case 10001. Please send any additional questions you would like answered before close of business

EXIT

FIG. 31

**FIG.
31-1**

**FIG.
31-2**

Fig. 30

FIG. 31-1

3100

Spyder Analysis Webstation—Netscape
 File Edit View Go Communicator Help

Assign Case Go To Case Maintain Users Resources
 Detection Search Reports Logoff Options Help

H N C
 S O F T W A R E

Case Summary for case 'P199900002'

Identity
 Case ID: P199900002
 Target Class: Provider
 Target ID: 000002630
 Target Name: ---
 Total Cases for Target: 1

Update Information
 Case Status: 0: Open
 Case Category: 0: Open
 Case Created By: jd (John Doe)
 Last Action Date: 09/24/1999 15:09:56
 Last Action User: jd (John Doe)
 Assigned Users: user6 (User6 Test)
 Case Log Size: 5 Entries

FIG. 31-2

Detection Sources <u>3106</u>				
Source	Entry Date	Entered By	Comments	
Dental Provider Model, 1998	09/24/1999 15:12:40	jd (John Doe)	This seems like a very interesting one.	
Recovery Report				
Estimated Recovery:		\$25,000.00		
Total Recovered:		\$15,550.00		
Balance (estimated-total):		\$9,450.00	<u>3108</u>	
Recovery Details <u>3110</u>				
Recovery Date	Amount Recovered	Entry Date	Entered By	Comments
09/24/1999	\$550.00	09/24/1999	jd (John Doe)	Turns out much of lead was poor.
09/27/1999	\$15,000.00	09/25/1999	jd (John Doe)	New evidence and information unearthed considerably more.
Attached Claims				
No claims have been attached to this case.				
Linked Cases				
No cases have been linked to this case.				

FIG. 33

3300

Spyder Analysis Webstation—Netscape

File Edit View Go Communicator Help

Assign Case

Go To Case

Maintain Users

Options

Resources

Detection

Search

Reports

Logoff

Help

HN C

SOFTWARE

Summary

▷ Action

Message

Case Log

New action for case: 'P1999000002'

Action:

Update Actual Recovery Amount ▾

Recovery Amount:

Recovery Date:

Comments:

Apply

Reset

Cancel

Document Done

FIG. 34

3400

Spyder Analysis Webstation - Netscape
 File Edit View Go Communicator Help

Assign Case Go To Case Maintain Users Options Resources
 Detection Search Reports Logoff Help

HNC SOFTWARE

Case log for case: 'P199900002'

Time	Event Type	User	Subject	Case Status	Text
09/25/1999 13:38:29	Action	jd	Added a recovery amount of \$15,000.00, recovered on 9/27/1999	02	New evidence and information unearthed considerably more.
09/24/1999 15:14:51	Action	jd	Added a recovery amount of \$550.00, recovered on 9/24/1999	02	Turns out much of lead was poor.
09/24/1999 15:19:54	Action	jd	Set initial estimated recovery amount to \$25,000.00	02	According to initial work performance by field force.
09/24/1999 15:12:40	Action	jd	Added new detection source DENTAL98	02	This seems like a very interesting one.
09/24/1999 15:09:56	Action	jd	Created new case for Provider 000002630	02	----

Rows 1 through 5 of 5

Document Done

FIG. 35

FIG. 35-1
FIG. 35-2

3500

✱ Spyder Analysis Webstation—Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Guide Print Security Stop

Bookmarks Netsite http: frisk2.hnc.com/spy3/spyder.html

N Spyder Webstati N Spyder Webstati & Instant Message N Members N

Assign Case Go To Case Maintain Users

Detection Search Reports Logoff

Search For:

Case Sensitive:

Count Rows:

Column	Stats	
Case ID		= <input type="text"/>
Target ID		= <input type="text"/>
Target Type		= <input type="text"/>
Status		= <input type="text"/>
Open Date	<input type="checkbox"/>	<input type="text"/> ▾ <input type="text"/>
Last Action	<input type="checkbox"/>	<input type="text"/> ▾ <input type="text"/>

Get Data Get Stati

Document Done

FIG. 35-1

007260" 24T22960

N

Webmail N Connections N Bizjournal N SmartUpdate N Mktplace N RealPlayer

OptionsResourcesHelp

HNC
SOFTWARE

Search

Cases ▾
☐
☒

Search Criteria

	OR	=	
	OR	=	
	OR	=	
	OR	=	

sticsResetClear

FIG. 35-2

FIG. 36

3600

⌂ Spyder Analysis Webstation-Netscape

File Edit View Go Communicator Help

⏮ ⏪ ⏩ ⏭

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http://frisk2.hnc.com/spy/spy3/spyder.html

Ⓜ Spyder Webstati

Ⓜ Spyder Webstati

Ⓜ Instant Message

Ⓜ Members

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Ⓜ Connections

Ⓜ Bizjournal

Ⓜ SmartUpdate

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Case List

Case ID	Target ID	Target Type	Open Date	Last Action Date	Status	Category
P199900002	000002630	P	09/24/1999	09/24/1999	0	0
P199900001	000002629	P	09/24/1999	09/24/1999	0	0

Rows 1 through 2 of 2

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